MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Passed and admitted for Rs. 2,30,000=00
Passed by Chief Acct. for Rs. 2,30,000=00
Two Lakhs Thirty Thousand
only
by agt.
Voucher No. 51
Bill Paid for Rs. 230,000=00
Amt. in words
Cheque No. 56 6746 Dated 20.07.15
Executive Engineer
BBMP Dasarahalli Division
EXECUTIVE ENGINEER
BBMP Dasarahalli Division, Bangalore-73
Bangalore-73

Bill number 1
BR956/28-2-205

SDR290/28-2-2015

Scan No. 014-44-000036

M. A. R. 57 (Rule 116)
Measurement Book

No. B
340303

Serial No. .....
Name of Work Construction of Concrete Drain and Improvement to Road at
Name of Contractor or nature of Agency Sadashiva Badavane in Bagalagunte W.No.14
Date of commencement of work Dgn.: Technical Approval Estimate B.A.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1	Stacking (Cube) Sand/Metal and disposal of Rubbish with a lead of 100 mtrs Carried as per Specn. Quantity present measurement 340308, 340385 of Item No. 25/4			upto 1.5 mtrs		332.40 Sqm	Measurement Book Page No. 67311
2	Cement Concrete 1:2:4 using 40mm graded stone aggregate in Retaining wall & Return wall as per Specn.					300.20 Cum	

Scan No. 40/44 Dated 03.11.2015

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Spread/mix with water by Coperative by wheel barrow Breadth preliminary cutting of slopes		Length 166.32 m			997.92 cum	165854/-
3	By spreading & watering with mixing & spreading by Grader BS base material mixing by concrete mixer at one carriage by wheel barrow & watering at work site spreading by water bags and hydraulic on prepared surface by Coperative water pressure to achieve the desired density Agreed rate spreading				498 sqm	1060.56 cum	528795/-

M. A. R. 57 (Rule 116)
Measurement Book

No. B 340304

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
4	Primarily boiling spreading and Coperative by grader shoes aggregate between previously spreading to mixing by mixing to mixture on by wheel water at one by mixing in plant carriage by wheel material Spreading by grader BS base material on well prepared surface to achieve the desired density, Breadth preliminary cutting of slopes			1124.04 sqm		664.80 cum	745267/-
5	primarily and applying Primer coat @ 8 kg/sqm Bitumen emulsion on prepared surface of granite base course by wheel & carry.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Fitting edging of new footway & Spraying Primer coat on new & existing Metaland fencing Cupboard Sprinkler						
	324 Main Sddle Nurses keyne	1	30.00	5.20+5.80 / 2		153.00	
		1	30.00	5.20+5.20 / 2		153.00	
		1	30.00	5.20+5.20 / 2		163.50	
		1	30.00	5.20+6.20 / 2		178.00	
		1	5.50	6.20+6.80 / 2		35.75	
	School Block facelifting of	1	30.00	5.70+6.20 / 2		154.50	
		1	30.00	5.20+5.80 / 2		165.00	
		1	17.00	5.50+5.80 / 2		96.05	
		1	37.00	5.20+5.80 / 2		199.80	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 340305

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	4.00	2.00		8.00	
	Glycon school Offs	1	30.00	9.00+17.50 / 2		247.50	
		1	31.00	7.50+15.20 / 2		196.85	
	Infant's Medan House	1	12.50	6.00+6.90 / 2		62.50	
		1	14.50	6.50+8.50 / 2		80.12	
	Security Dhamish Sinclair	1	30.00	4.00+4.20 / 2		124.00	
		1	25.00	6.20+7.30 / 2		98.13	
		1	30.00	5.00+6.50 / 2		157.50	
		1	24.00	6.50+6.30 / 2		92.40	
		1	30.00	7.60+7.80 / 2		232.50	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	7.20+7.80		285.00	
		1	9.60	8.60		62.20	
		1	30.00	6.40+4.00		165.00	
		1	11.00	4.20+4.80		53.35	
		1	30.00	7.40+6.60		201.00	
		1	19.00	6.00+4.20		101.65	
	96 Cum					3354.00	
		Add 1%	3324.00+1.60%				96197
			0.84/Kg				
6	Manually cap laying Secondary Shotcrete 1:2:3 Cum						
	Cement mix 57 bags 100 kg/Cum Including all						
	necessary labour for the above work complete						
	as per Specification and direction of Engineer						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

340306

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4.00 M.T. capacity mini excavator loader transportable tracked type with Side boom with a hydro static power pack Sewer Cleaning Equipment Suction cum jetting Roller water Swivel wheel vibrating and Causeway rolls to achieve the desired Compaction						
	30 cm mean Soil digging and laying	1	30.00	5.20+5.40	0.03	3.82	4.59
		1	30.00	5.40+5.20	0.03	3.82	4.59
		1	30.00	5.20+5.20	0.03	4.68	4.80
		1	30.00	5.20+6.20	0.03	4.46	5.35
	Cement Sand Mixing Jacketing	1	5.50	6.20+6.80	0.03	0.89	1.07
	30 cm	1	30.00	5.40+5.20	0.03	3.86	4.63

CSM

EARTH

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	opp. Gleneschool Road	1	30.00	6.20+3.20/2	0.03	4.81	
		1	17.00	5.30+4.80/2	0.03	2.88	
		1	37.00	3.20+5.80/2	0.03	5.99	
		1	30.00	8.00+7.50/2	0.03	~~6.18~~ 7.42	
	in front of Meadowbrae	1	31.00	7.50+5.20/2	0.03	~~5.92~~ 5.90	
		1	12.50	6.00+4.80/2	0.03	1.82	
	8th Cms near abovesaid Sullodge	1	14.50	4.80+3.50/2	0.03	1.80	
		1	30.00	4.10+4.20/2	0.03	3.78	
		1	25.00	4.20+3.70/2	0.03	2.96	
		1	30.00	6.00+4.80/2	0.03	~~3.93~~ 4.32	
		1	21.00	4.50+4.30/2	0.03	~~2.37~~ 2.52	

CS/de
E.E. (S.D.)
28/2/10

M. A. R. 57 (Rule 116)
Measurement Book
No. B

340307

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
		1	30.00	7.60+7.20/2	0.03	~~5.37~~ 6.97	
		1	30.00	7.90+7.80/2	0.03	~~6.88~~ 7.06	
		1	9.50	6.00	0.03	~~1.56~~ 1.78	
		1	30.00	6.10+4.90/2	0.03	~~4.92~~ 4.95	
		1	11.00	4.90+4.80/2	0.03	1.60	
	8th Cms	1	30.00	7.40+6.10/2	0.03	6.02	
		1	19.00	6.10+4.70/2	0.03	3.04	
				0.963+44/100		99.22 Sq	960.44

CS/de
E.E. (S.D.)
28/2/10

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
7	Camp C/ work under taken on Lab Sh 158 Cty					89.02 Cty	78317
	Shuttering						
						0 28.57/y	
8	Earth work excavation by mech means in hard						
	Cyb 2nd and cart C/ Cryptosporidium Sewerage Proj.						
	Level & set foly neatly to the exact						
	level. neatly dressed & well compacted as per						
	Drg. Sh. Approved	1	30.00	1.80	1.50	81.00	
	Sewer	1	27.00	1.80	1.50	72.90	
	Deep Sh	1	9.50	1.80	1.50	25.65	
	Lee shaft	1	27.00	1.80	1.50	72.90	
	Deep Sh opposite Grundy	1	5.20	2.10	1.00	10.92	
		1	6.00	2.00	1.00	12.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

340308

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Brick Brickwork in CM 1:3 sub-structure in	1	30.00	0.25	0.60	13.50	
	for	1	30.00	0.25	0.60	13.00	
		1	15.00	0.25	0.60	6.75	
	do	1	30.00	0.25	0.60	13.50	
		1	30.00	0.25	0.60	13.50	
		1	15.00	0.25	0.60	6.75	
		1	33.10	0.25	0.60	14.85	
	Upper Lim. road.	1	14.00	0.25	0.60	6.30	
	Near Nkwelan Hotel	1	11.20	0.25	0.60	5.26	
		1	13.20	0.25	0.66	6.16	31190
		Carried	343.80			374.93	
		0	30.02/m				

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
1	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
9	Providing and laying in position plain cement Concrete of mix M 7.5 (1:3:6) using 20 mm nominal size graded stone aggregate including curing complete as per direction of Engineer-in-charge.						
	For Retaining wall	1	30.00	1.80	0.15	8.10	
	For abutment	1	27.00	1.80	0.15	7.29	
	For Return wall	1	9.50	1.80	0.15	2.56	
	For Return wall	1	27.00	1.80	0.15	7.29	
	For Return wall	1	5.20	2.60	0.15	1.90	
	For Return wall	1	6.00	2.60	0.15	1.80	
						28.54	108022
						0.424 1.38/cu	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

340309

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
10	Providing and laying in position plain cement Concrete of mix M20 (1:1.5:3) using 20 mm nominal size graded stone aggregate including curing complete as per direction of Engineer-in-charge.						
	For Retaining wall	1	30.00	1.80	0.10	5.40	
	For abutment	1	27.00	1.80	0.10	4.86	
	For Return wall	1	27.00	1.80	0.10	4.86	
	For Return wall	1	9.50	1.80	0.10	1.71	
	For Return wall	1	5.20	2.60	0.10	0.85	
	For Return wall	1	6.00	1.60	0.10	0.96	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	For Rec cluet Side way	2	30.00	0.15	1.20	10.80	
		2	27.00	0.15	1.20	9.72	
		2	27.00	0.15	1.20	9.72	
	For Rec clear Side way	2	9.90	0.20	1.20	4.94	
		2	5.20	0.20	0.60	1.24	
		2	6.00	0.20	0.60	1.44	
	Deduct Steps	1	9.20	1.20	0.30	3.05	
		2	5.20	1.00	0.30	1.56	
		1	6.00	1.00	0.30	1.80	
	Approach	2	5.20	0.45	0.30	1.35	
		2	6.00	0.30	1.30	1.80	
				@	55.35	32/4	70.558 / 68.64	370668 / 379944=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 340310

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
11	Providing TMT Steel reinforcement for RCC work using Shuttering Shuttering including binding bending placing in position Cutting & welding wherever necessary type cast binding wire & making hooks & turning wherever necessary including Cost of Steel					55.24 kg	400/401
	Quantity of steel required as per drawing				@ 92.04 kg/m		
	Pro		Qty				
12	Providing & laying Cement Concrete Shuttering including centering & shuttering for Cement Concrete Roof as per drawing						
	Recent Pro		Qty		for Valve Chamber		

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Earthwork filling all round of plinth Cost Wall under Cc/ Floor Cc/ Coping Cc/ Sunken Floor Cc/						
		4	30.00	1.30		156.00	
		4	27.00	1.20		129.60	
		4	28.00	1.20		134.40	
		4	9.00	1.40		50.40	
		4	5.20	0.80		16.64	
		4	6.00	0.80		19.20	
		1	9.50	1.30		12.35	
		1	5.20	1.00		5.20	
		1	6.00	1.00		6.00	
						529.79	137.00
						529.79	
						666.79	

By Measurement

M. A. R. 57 (Rule 116)
Measurement Book

No. B

340311

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
13	Supplying and laying precast reinforced Cement Slab 10cm thick Cement Mixing Cc/ reinforced as per drawings and checking measurements Cc/ transportation Cc/ Cement Concrete of proper mixture with the certain fractions to site placing Cc/ Curing Cc/ Labour Cc/ Everything complete Cc/						
		1	30.00	1.20		36.00	
		1	27.00	1.20		32.40	
		1	28.00	1.20		33.60	
		1	14.00	0.75		10.50	
		1	11.70	0.95		11.12	
		1	13.80	0.90		12.42	216.96
					@ 1600 Rs/M	135.60 Rs	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
14	Providing Cc M 15 to Sides & Bed of Cement Concrete Surface Drain with top finishing with Cement Concrete 1:1½:3 (1:6) including Cement Concrete Bricks for walls complete as per Design	Providing finishing with				17.50	
		1	30.00	1.50		39.00	
		1	30.00	1.30		39.00	
		1	15.00	1.30		19.50	
		1	30.00	1.30		39.00	
		1	30.00	1.30		39.00	
		1	15.00	1.30		19.50	
		3	33.00	1.30		42.90	
		1	14.00	1.30		18.20	
		1	11.70	1.30		15.21	
		1	13.70	1.30		17.81	
			Less Manhole	279.50 sq.m		289.12 cu.m	95.99
				@ 324.44/-			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

340312

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
15	Providing and Laying Cement Concrete 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in Retaining Wall, Return Walls, Wing Walls, Curtain Walls, Parapet Walls, Coping, String or Facia Course, Bed Blocks, Anchor Blocks, Plain or Reinforced including Centering, Shuttering, Finishing Complete as per Design	Providing Laying with				1:4 mortar	
		1 for 40×20 cm			20 cm		
		2	14.00	0.20		5.60	
		2	11.20	0.20		4.48	
		2	13.20	0.40		10.56	
		2	5.50	0.80		8.80	
		4	1.85	1.00		4.44	
				@ 924.40/m		34.48 cu.m	31876

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
16	Transport of dely bricks from place / Kalyan with all lifts & carriage complete as per direction & instruction of Engr in charge					metal all lifts & carriage complete 843.30 cu ft @ 65 per cft	
	Ch cross Deducted from Contr Bill 28/2/15						
		4038923=0			28.245	4049418-0	
		403892=0				4049418-0	
		Total 4442815=0				4495108-0	
	Total - 4442815=0						
	Ex 25/2/15					Ex 28/2/15	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

340313

rial No. .....

me of Work ..... From..... To.....

me of Contractor of nature of Agency .....

te of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
		3	4	5	6	7	8
							4442815=0
							3829821=0
						602994=00	
							Exe. Engineer

Audited and admitted for Rs.

Passed by Chairman for Rs.

(

by cash

Accounting

Executive Engineer Division

C.C. drawn
As checked